

# FOLIO

2 AUGUST 1991

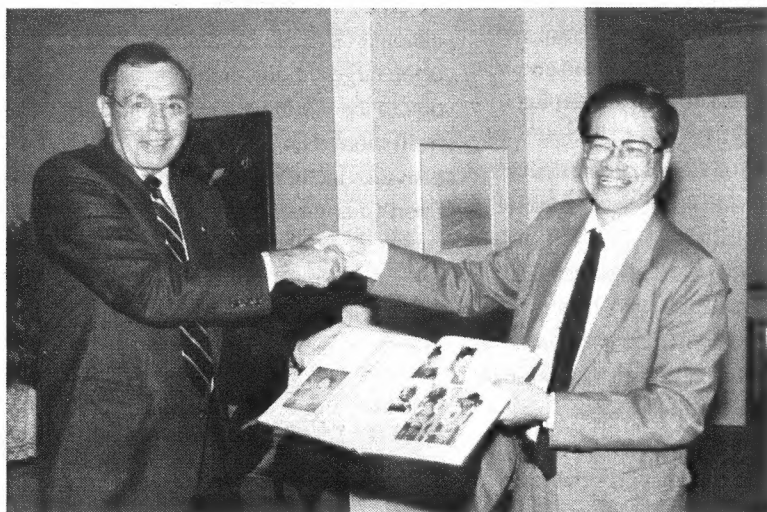


Photo Services

Chung-sen Yang, National Librarian, Republic of China, and Peter Meekison, Acting President (left), check the contents of one of the 1,000 books that the National Library donated to the University of Alberta.

## A word in the right place pays off

**LIBRARY GAINS 1,000 TITLES OF CHINESE MATERIALS**

The National Library of China has donated some 1,000 reference books to the University of Alberta Library, due in part to a visiting dean speaking up with conviction.

Chung-sen Yang, China's National Librarian, announced the donation 17 July at a reception at University House. His action came on the heels of a brief conversation he had with Fu-Shiang Chia, Dean of the Faculty of Graduate Studies and Research. Dean Chia, in Taiwan in June for a conference, mentioned that the Department of East Asian Languages and Literatures (EALL) was in the early stages of proposing a graduate program and that books were needed if the program is to become a reality.

Our meeting was not really for this purpose, Dean Chia says, but "he [Yang] responded very fast" by suggesting that he be invited to exhibit certain volumes, after which the books would be donated to the U of A.

Dean Chia adds that his words carried extra weight because CC Li, Director of the Cultural Division, Coordinating Council, Taiwan Government, had previously spoken with Dr Yang about the same subject.

(Professor Li, who is based in San Francisco, attended the reception and presented a gift of about \$1,000 which EALL has earmarked for the purchase of software and other teaching material.)

Upon his return, Dean Chia met with Patricia Clements, Dean of the Faculty of Arts, and it was determined that the two Faculties would cosponsor a visit by Dr Yang. He subsequently arrived 16 July with a collection of 1,000 titles that corresponded to a list of book requirements that Karl Kao (East Asian Languages and Literatures and Comparative Literature) drew up.

The collection, as selected by the National Library in Taiwan, includes reference books, indexes to Chinese studies and standard texts for academic research. The materials cover subject areas chiefly in the humanities, encompassing languages, literature, history, philosophy and geography.

Portions of the collection are on display in the Humanities and Social Sciences Library in Rutherford North, the John A Weir Memorial Law Library and the John W Scott Health Sciences Library.

Dr Yang's visit opens other avenues, Dean Chia says, noting that the Faculty of Law is interested in collaborating with universities in Taiwan and that Dr Yang has said that books on the Chinese legal system will be forthcoming.

The Chinese library collection at the University of Alberta began in the early 1980s. The collection boasts approximately 20,000 volumes of Chinese materials and 130 Chinese periodicals and newspapers.

## University solidifies its accounting procedures

Fingers that did the walking through the University of Alberta's annual financial statements were sometimes forced to break stride. All the details were there but full comprehension wasn't a snap. With the release of the most recent financial statements comes word that the Board of Governors Audit Committee has tightened up the way the University accounts for its dollars.

"We think it [the new way] will set a precedent for all the other universities in Alberta and perhaps in Canada," says Board of Governors Chair Stan Milner. He expressed delight with the work of the Audit Committee, which includes four external members, and the accounting group on campus.

The financial statements for the year ended 31 March 1991 "fully conform with generally accepted accounting principles and disclosure standards applicable to nonprofit organizations as currently enunciated by the Canadian Institute of Chartered Accountants (CICA) Handbook," Milner and President Paul Davenport state in their introduction to the statements.

"Further improvements in financial statement presentation and disclosure will be a continuing effort of the University to meet its obligation of fiscal accountability," they continue.

The administration and the Audit Committee, a standing committee of the Board of Governors, have been working for some 20 months to make the University's financial statements more readable to everybody, says Audit Committee Chair Bill Grace. "I think we've made some progress and we will continue to work to make things even better.

We're now in full conformity [with CICA standards], which is a good feeling."

Grace finds it "very helpful" that the University's accrued liabilities are shown as liabilities and no longer appear under "Notes to the Financial Statements." Examples of accrued liabilities are the costs of vacation pay and disability costs.

"We have improved on our format as well as content and quality of the financial data presented," says Louis Jamernik, Associate Vice-President and Comptroller. He adds that the University has fully implemented the accrual method of accounting.

The Audit Committee will now turn to another outstanding piece of business, namely: How does the University, a nonprofit institution, account for and present depreciation of capital assets such as land, buildings and equipment? Grace says the powers behind the CICA Handbook, "the Bible" of financial reporting procedures in Canada, have raised the question and are anticipating answers this year for implementation by 1994.

The University's financial statements for the year ending 31 March 1991 were approved by the Audit Committee 26 June and by the Board of Governors 5 July. This was about a month earlier than the date that the 1990 financial statements were approved. "We've really tightened up that time frame. The financial statements are out and are available to anyone," Grace says. (Copies are available through the Office of Public Affairs.)

Continued on page 2

## INSIDE

- Art Quinney Physical Education and Recreation's helmsman
- Research project goes heavy on shivers
- University Research Teaching Fund supports six projects
- Faculty Club's 'downstairs dining room' converted into Jasper Room



## Accounting

Continued from page 1

In his report to the Alberta Legislative Assembly for the fiscal year ended 31 March 1990, Auditor General Donald Salmon stated: "For several years, I have thought that the clarity of disclosure of information in the financial statements of the University [of Alberta] could be improved. I am pleased to report that through the actions of management and the Board Audit Committee significant improvements have been made in the presentation of information. I am confident that the continuing efforts being made in this area will further improve the University's financial statements."

The current Board Audit Committee consists of Messrs Grace and Milner, President Paul Davenport, Al Hiebert, Sandy Pearson and Michael Welsh (all Board members) along with external members Gary Acheson, Ted Allan, Ed Hahn and Ian Morris, who are all professional accountants.

## The major risk factors in heart disease

### TOO MANY PEOPLE DON'T KNOW WHAT THEY ARE

The good news is that Albertans are at lower risk of heart disease than residents of any other province. The bad news is that the province's risk level still is too high: more than half the population has at least one of the disease's three major risk factors: smoking, high blood pressure, and high blood cholesterol.

The news comes from preliminary findings of the Alberta Heart Health Survey (AHHS), part of a federal-provincial initiative to study the prevalence of risk factors for cardiovascular disease in Canada.

"These results point to a massive problem," says University of Alberta professor Michel Joffres, who is also chronic disease epidemiologist with Alberta Health. "We spend tremendous amounts of money researching and treating cardiovascular disease, while controllable risk factors remain widespread."

The study reveals, for example, that nearly 30 percent of the population continue to smoke. At least 14 percent have high blood pressure and, of that number, less than half have their blood pressure treated and controlled (21 percent only learned about their high blood pressure through the study).

Middle-aged men (35-64) and older women (65-74) are at particular risk. Almost one-fourth of these men, and more than 40 percent of these women, have at least two of the three major risk factors.

While health awareness has improved in recent years, awareness of the relationship between heart disease and the three major risk factors was surprisingly low in this study. In unprompted questions about what contributes to cardiovascular disease, just over half the participants mentioned smoking, and less than a third identified blood cholesterol levels or high blood pressure.

Dr Joffres says the study's results are a strong argument for putting much more effort into prevention. "We are pretty good at helping people once they have the disease," he says. "What we need to do is get to them before that point, to help them become healthier people."

The study was funded by Alberta Health, and by Health and Welfare Canada (Health Services and Promotion Branch, National Health Research and Development Program). Assistance with the study came from the University of Alberta, the Alberta Heart and Stroke Foundation, and NAIT.

A final report of the research findings will be released this summer.\*

## FOLIO

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### Deadlines:

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**Classified advertisements:** 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 30 words and a minimum charge of \$2.00.

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**Display advertisements:** 3 pm Thursday, eight days before desired publication date. Camera ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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## LETTERS

### RESPONSE TO HIRING POLICY LETTER

Responding to Professor Hunter's letter on the hiring policy (*Folio*, 28 June 1991): The Women's Issues Committee of the AAS:UA has not claimed that women are discriminated against in academic hiring in any active or systematic sense. I have no doubt that members of academic selection committees strive to be fair, and to make the best possible hiring decision for their department.

The committee does point out that women are not represented in the professoriate in the numbers one might expect, given the equality of educational opportunity that exists in Canada. The reasons for this are complex, and include early childhood socialization to acceptable fields of study, lack of role models in some fields, and the so-called systemic (not systematic) barriers: traditional but inessential factors in academic study and career patterns—such as emphasis on full-time and continuous involvement, lack of adequate childcare, etc.—that deter women from continuing in postgraduate education and university employment.

The University community is now deciding how to respond to these issues. Regrettably, another contributing factor is that many women, particularly those who are newly appointed, are made to feel unwelcome, however unintentionally, by this kind of debate.

Janet Denford

Department of English

### THE BARBARA AND MYER HOROWITZ LIBRARY ENDOWMENT FUND

A donation to the Horowitz Fund is an imaginative way to recognize special occasions in your life or in the lives of others and at the same time contribute to a worthwhile cause.

Donations to the fund (along with a note about the special occasion, if any) can be sent to:

Director of Libraries  
5-02F Cameron Library  
University of Alberta  
Edmonton, Alberta  
T6G 2J8

## Zemrau elected Vice-President of FISU

Ed Zemrau (Physical Education and Sport Studies) was elected, for a four-year term, as Vice-President of FISU (Fédération Internationale du Sport Universitaire) at the XVI World University Games which just concluded in Sheffield, England.

Professor Zemrau has been on the executive of FISU for several years and will continue on both the management committee and the marketing commission as well as now joining the FISU steering committee.

With the exception of the International Olympic Committee, FISU is the largest multi-sport organization in the world with representation from more than 110 countries. FISU activities include World Student Sport Championships, academic conferences related to university sport and fitness, development programs for developing countries, and

Winter and Summer Universiades.

The Summer Universiade is the largest program undertaken by FISU and is held every two years.

The University of Alberta and the City of Edmonton have retained strong relationships with FISU as a result of their hosting of the 1983 Summer Universiade.

In addition to Professor Zemrau, the following individuals from the University of Alberta were at Sheffield: Cory Siemachesky (track and field), Igor Kopecky (diving), Chris Bowie (swimming), Debbie Gaudin (swimming), Renee Aubin (fencing), Shelly Wetterberg (fencing), Mike Freeman (field hockey, men), Tara Croxford (field hockey, women), Heather Jones (field hockey, women), Francis Tally (gymnastics judge) and Hank Tatarchuk (technical commission).

### DEPARTMENT OF COMPARATIVE LITERATURE GRADUATE LECTURE SERIES 1991-92

An open invitation to students and staff for 20-minute presentations on the global theme, "The Politics of Literature", focusing this year on trends (historical perspectives). Contact Cathy Steblyk, 412 Arts Building, 492-0128, before 16 September with your proposal, or for more information.

## Losing weight and keeping it off

### IS THERE A KEY TO SUCCESS?

Why are some dieters more successful than others? What enables some people to lose a significant amount of weight and keep it off for a year or two?

There is no magic ingredient for success in dieting, according to a recent study by Pamela Brink (Associate Dean of Nursing) and Marilyn Wood (Dean of Nursing) at the University of Alberta and Kristi Ferguson at the University of Iowa.

It did not make any difference whether dieters used community-based weight-loss programs or dieted on their own—in both groups there were people who were successful and people who were unsuccessful. It didn't make any difference either on matters such as whether dieters had been bottle-fed or breast-fed as infants. The women and men in the study did differ in their primary motivations for losing weight (appearance for women; health for men), but not in their success in doing so.

The study included a look at commitment, which has long been considered an important factor in "sticking to" a diet. The successful dieters in this study said the key was not in holding to the original decision to lose weight, but in making the same decision over and over again.

Says Dr Brink, "For these people it was a constant series of conscious choices like, 'I would rather be thin than eat this piece of cake,' or 'I want to keep my weight down more than I want to skip my exercise today.'"

One goal of the research was to help standardize a definition of what "successful dieter" means. In past research, the term has meant people who lost 15 percent or more of their body weight and reached a "normal" range according to the Metropolitan Weight Table (the traditional ranges given according to sex, height, and frame size).

However, that definition did not hold up when these subjects' weight histories were analyzed according to the more accurate Body Mass Index (BMI), which standardizes healthy weights for various body sizes, regardless of sex. For example, several subjects who changed from "overweight" to "normal" according to the Metropolitan tables, actually went from a healthy weight to become underweight according to the BMI. Dr Brink says, "Underweight is just as bad as overweight. It's not a healthy weight, so how can we call these people successful dieters?"

This project was supported by the National Center for Nursing Research at the US National Institutes of Health.\*

\* These articles and "Nature's poisons" (page 3) are reprinted from Research Report, a quarterly publication of the Office of Public Affairs.



# Two U of A scientists in the fold

## HUGHES MEDICAL INSTITUTE STARTS INTERNATIONAL PROGRAM

The Howard Hughes Medical Institute (HHMI) recently launched a new international program by announcing 21 awards totalling \$10.8 million (US) to support the research of outstanding biomedical scientists in Canada and Mexico.

HHMI awarded 11 grants to researchers at seven Canadian universities and 10 grants at four Mexican institutions in the first year of its new International Research Scholars Program. Two of these researchers are at the University of Alberta.

Tim Mosmann, Professor and Chair, Department of Immunology, and Randy Read, Assistant Professor, Department of Medical Microbiology and Infectious Diseases, will receive \$450,000 and \$500,000, respectively, over the next five years. Together, their awards account for nearly one-sixth of the total grants awarded to Canadian researchers. The University of Toronto received four grants, three for individuals and one for a team of

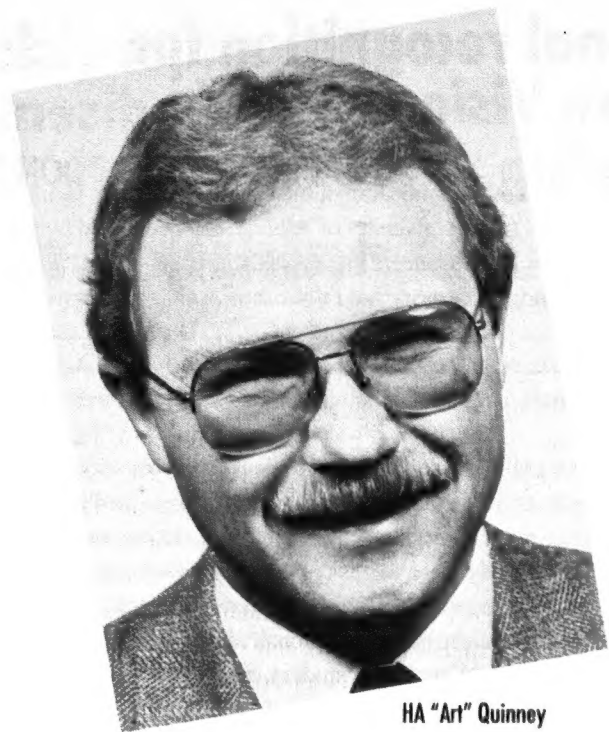
four researchers. The other grants were awarded to two researchers at the University of British Columbia, two at McGill University and one at the University of Calgary.

These are regarded as substantial awards, not only in terms of the amount of money, but also the prestige associated with them. The invited applicants were described by the Institute as among the foremost contributors to their fields. In addition to receiving support for their research, the grant recipients will participate in the scientific activities of the Institute. HHMI, a private research organization established in 1953 by Howard Hughes, employs scientists in the fields of cell biology, genetics, immunology, neuroscience and structural biology.

Dr Mosmann is involved in the identification and isolation of cytokines, work which is fundamental to understanding the functioning of the immune system. Cytokines are short-range (cell to cell) growth and differentiation factors that are

part of the regulation of the immune response. Depending on the disease, the system will respond with either antibodies, in the case of pneumonia, for instance, or a cell mediated response, in the case of a virus. Dr Mosmann and his colleagues delineated specific patterns of cytokines that promote one response while suppressing the other. His research has broad implications and is attracting attention around the world.

Dr Read's work focuses on the crystal structure of proteins and rational drug design. In the cases where it is understood specifically how a drug works, it is typically through a specific interaction of small molecules and a protein. The crystal structure of a protein maps it so that it is possible to determine how a drug will bind to it. Knowing this, it should be possible to design drugs to deal with specific diseases. Dr Read's research involves a relatively new field, one which he describes as exciting.



HA "Art" Quinney

## Quinney new Dean of Physical Education and Recreation

His long working relationship with the Edmonton Oilers has helped outfit Art Quinney with perspectives on team play, staying onside, passing at the right time, and media relations. Now that he's been appointed Dean of the Faculty of Physical Education and Recreation, Dr Quinney is an odds-on favourite to bring the best of what he's absorbed to his new duties. (There's always the chance that his work with committees may require a little stickhandling on his part, but that's another story.)

Dr Quinney, Chair of the Department of Physical Education and Sport Studies since 1987, took up the position of Dean on 1 July. (Harvey Scott will be Acting Chair of the department for one year.) He succeeded Acting Dean Jane Watkinson and will be in office for a minimum of five years.

A member of this University's faculty since 1976, Dr Quinney started a program of sport science support to the Oilers in 1979, their first year in the National Hockey League. Similar support has been extended to the Canadian Olympic Hockey Program (1979-1984), the Team Canada Hockey Program (Canada Cup, 1984), the Canadian National speedskating team (1980-83), the Canadian National wrestling team (1978) and the Canadian National swimming program (1980-83).

Dr Quinney's ties with the Oilers and the Canadian Curling Association National team program remain intact.

Born in Rosetown, Saskatchewan, Dr Quinney studied at the University of Saskatchewan, Saskatoon, and received three degrees from that institution (BA, BEd, MSc). He accepted his PhD from the University of Alberta in 1974.

He taught at Laurentian University in Sudbury before coming to the U of A and was Visiting Professor at the University of Victoria's School of Physical Education in 1982-83. Dr Quinney remains the Director of the University of Alberta Fitness Unit, a position he has held since 1981.

Next year, he will chair the Conference Program Committee of the International Conference on Physical Activity, Fitness and Health to be held in Toronto.

Dr Quinney is a former McCalla Research Professor and Adjunct Professor in the Faculty of Rehabilitation Medicine. With colleague RBJ Macnab, he has authored *A Laboratory Manual for Exercise Physiology*.

He is a member (and former president) of the Canadian Association of Sport Sciences, the Canadian Association for Health, Physical Education and Recreation, the American College of Sports Medicine and the Sport Science Association of Alberta.

## Grantsmanship workshop planned

The Office of the Vice-President (Research) and the Research Grants Office are sponsoring a day-long Grantsmanship Workshop for University Researchers on Thursday, 29 August.

The workshop will address University research policies and services available to researchers. It will be particularly useful for new faculty but all researchers are welcome,

subject to space limitations, says Susan Babcock, Coordinator of Programs.

The morning sessions will include presentations by representatives from the various funding agencies. There will be three concurrent sessions in the afternoon: Biomedical Sciences and Health Care; Natural Sciences and Engineering; and Social Sciences and Humanities. These sessions will address issues

specific to the different areas and will feature experienced University faculty and resource people from the funding agencies.

The workshop is free; registration forms are being distributed to the various departments. Participants must register by Thursday, 22 August. Space is limited so researchers are urged to apply early. For further information, contact Susan Babcock at 492-5360.

## Nature's poisons

### YOU CAN FIND THEM IN DRINKING WATER

Industry is not the only polluter for people to worry about. Nature herself produces toxic substances, and some of them may occur in concentrations high enough to contaminate drinking water.

Steve Hrudey and Ellie Prepas, both of the University of Alberta, with Hans Peterson of the Saskatchewan Research Council, are working to find out what kinds of toxins are present in lakes and farm dugouts that supply drinking water in the two provinces, and to determine how serious a problem they might pose.

The team is looking in particular at cyanobacteria (commonly known as blue-green algae), which produce a number of odour-causing as well as toxic substances. The substances apparently are produced independently of each other, which means that odour is not a reliable warning of toxic potential, as had been thought.

Samples taken last year from Alberta lakes showed that some algae cells contained relatively high proportions of a toxin called microcystin LR, which can cause liver damage in humans if consumed in high enough concentrations. Those proportions are not a problem as long as the algae cells remain intact and are strained out of drinking water through normal water treatment processes. However, they pose a threat when the cell membrane is ruptured, releasing the toxin for distribution through the drinking water supply.

That rupture and distribution could happen as a result of a chemical treatment (copper sulphate) commonly used to control the growth of algae. The treatment is not used on Alberta lakes, but is often used in farm water dugouts and is widely used in drinking-water reservoirs around the world.

Human poisoning by these particular toxins has not yet been clearly documented. "But there is no doubt," Dr Hrudey says, "given the way these toxins act, that if you expose humans to enough of them you're going to have health effects. I don't think there is any question of that."

"Clearly we don't believe there is a cause for panic," he adds, "but it is important enough to deserve a lot more study."

Having more information about natural contaminants should provide a basis for more informed decisions about environmental health risks. Dr Hrudey cautions, however, that such risks will never be entirely eliminated. "People need to appreciate that nature is not benign."

This work was funded by the Natural Sciences and Engineering Research Council.

## UNIVERSITY PROFESSORSHIPS

The Selection Committee for University Professorships will be considering nominations later in the fall. This title honours professors whose academic, professional and community contributions have been exceptionally meritorious. Nominations should be submitted to the Vice-President (Academic) by 15 November. Copies of the criteria for University Professor Nominations may be obtained from Ms Dorothy Gamble, Office of the Vice-President (Academic), 3-4 University Hall (492-3443).



## National recognition for 'Where Visions Meet'

**W**here Visions Meet", a publication aimed at attracting new faculty and graduate students to the University of Alberta, has been cited by the Canadian Council for the Advancement of Education (CCAE).

"Visions" was judged Best Special Publication at CCAE's annual Awards of Excellence competition. Margaret Clarke, Director of the Office of Public Affairs, accepted the award on behalf of editor Anne Le Rougetel and designer Debra Bachman at the CCAE conference in Montreal, 13 July.

The full-colour publication outlines activities in each Faculty, emphasizes cross-disciplinary research opportunities, and reflects the University's relationship with Edmonton and the Province of Alberta. Above all, the pages of "Visions" amplify these words contained in the opening statement: "Here you will find an atmosphere of support for teaching and research excellence, the company of internationally known scholars, the assistance of experienced staff, and keen students eager to learn."

The other intended audiences for "Visions" are potential donors, registrants at national and international academic conferences, and the international academic community.

The Best Special Publication category is for any multi-page publication that seeks to promote major areas of endeavour of a university or college, such as research. Among the 24 judges for the awards program were public affairs and communications directors and media and marketing people.

## Botanic Garden reaches out to community

**T**he Devonian Botanic Garden continues to offer nearly 20 workshops for adults and nature study day-camps for children.

Those interested in plants as food can pick from four workshops on herbs or one that teaches the art of identifying edible mushrooms.

If painting is more your style, the Garden has three art courses for the taking: Chinese Flower Painting, Expressive Flower Drawing, and a watercolour and drawing workshop for beginners and amateurs that focuses on the profusion of flowers blooming at the Garden.

If you'd rather be a landscape artist, there are several courses that can help you create your own unique garden environment. "The Landscape Gardening for the 1990s series was very well received last year," says Gordon Neilson, education coordinator.

Back by popular demand are the daycamps for children, also on the Garden grounds. Activities include pine cone crafts, nature games, orienteering, and nature study. Daycamps for children aged four to six run on Mondays and Wednesdays; camps for ages seven to thirteen are held Tuesdays and Thursdays.

Most of the adult courses consist of Saturday workshops at the Garden. One-day workshops are usually three to four hours in length. Longer courses may run over subsequent days or for several Saturdays in a row.

Information on these August offerings as well as the Garden's fall programs can be found in the latest "Get Growing" brochure. Copies are available at the Garden or by calling 987-3054.

On 25 August, the Garden will host an open house and an arts and crafts fair from noon until 4 pm. The focus will be on demonstrations, displays and sales of crafters' activities. Refreshments will be served, there will be craft activities for children and Science Alberta Foundation consultant Sid Andrews will present a hands-on nature project.

Admission is \$4 for adults; \$2 for children, seniors, and students; and \$10 for families.

The Devonian Botanic Garden is located on Highway 60, 15 minutes southwest of West Edmonton Mall.

## Well, shivering pigs!

**W**ell, shivering pigs! That's not an expression of wonderment—it's a description of a nearly completed study in the Department of Animal Science.

Bruce Young (Animal Science) is head of a research team studying the effects of cold on the thyroid glands of pigs. The two-year study, now in the final laboratory phase, is being conducted in cooperation with the Naval Medical Research Institute in Bethesda, Maryland.

Why does the US Navy want to study pigs? Its goal is to better understand the changes in the human body after prolonged residence in the cold. Military personnel stationed in Antarctica experience changes in thyroid activity after 42 weeks in frigid temperatures.

Pigs are the subject of this study because, whether we like it or not, these four-legged critters are a lot like us.

"We looked around for a big animal," Dr Young said. "We had sheep and pigs available to us. The pig, because it's semi-nude, was the best candidate."

Because pigs are nearly hairless, they react to cold conditions as humans do—they shiver. They also resemble us anatomically and physiologically.

For example, Dr Young said, large animals like pigs and humans have little or no brown fat in their bodies. In contrast, it is the brown fat in small animals like rats that helps protect them against the cold.

Other studies with large animals also indicate a direct relation between thyroid hormone activity and cold temperatures, Dr Young said. As temperatures drop, hormone activity in the animals increases.

American Navy personnel in Antarctica also experience this hormone increase. It affects their metabolism, and they require more food to maintain their body weight.

Dr Young and his team are trying to determine the causes of these hormone changes at the cellular level. The Department of Animal Science was chosen for the project because studies conducted here on the effects of cold on livestock are internationally recognized.

In the first year of the US Navy study, 16 pigs were placed in temperature-controlled rooms for eight weeks. Six pigs were kept in a 22°C room, another six were placed in a room at 5°C, and four were placed in a 38°C room.

All of the animals were injected with a radio-labeled thyroid hormone, which could be traced as it travelled through the body. Blood samples were taken to determine the presence and distribution of the hormone. Tissue samples were also analyzed.

The experiment was repeated in the second year of the study. Lab analyses are now under way.

Dr Young says it was already known that thyroid hormones increase in the cold. This study has helped shed light on how they increase. He says the hormones become more abundant because they attach themselves to the binding sites of cells, which also become more plentiful in cold conditions.

Where does the US Navy go from here? Dr Young says the military want to determine how much food is needed by personnel in cold regions like Antarctica, and what food is best for them to eat. They would also like to focus on the length of time men and women need to adapt to temperature extremes.

After this study is over, the main focus for Dr Young will again be how to lessen the stress suffered by livestock not in Antarctica, but on the Canadian prairies in winter.

## Political science gaining momentum in Soviet Union

**S**ocial, political and cultural problems in the Soviet Union must be solved first, and only then can the economic problems be adequately addressed, says a visiting Soviet scholar.

"Up until now, we have not appreciated this point," says Vladimir Suprun, of the Institute of History, Philology and Philosophy, Soviet

the processes of decentralization and adaptation to technological change in the Canadian North.

"In comparison to European countries, the Russian culture didn't have political traditions and political thinkers," he said, explaining that Russian writers and philosophers focused primarily on the relationship between man and God and man and man. "They didn't think a lot about such things as the relationship between man and state and man and society."

"That's why we couldn't develop a rational political culture," he argued. "The problem of individuality was considered secondary to the problems of church, religion, community and society."

"When people are politically ignorant, they cannot be critical. And if they are not critical they can be manipulated very easily. My basic idea is to educate people in the political culture," he said, characterizing Soviet political culture as irrational and ideological.

He said political science is a new field in the Soviet Union, replacing such subjects in the curriculum as the history of the communist party in the Soviet Union and scientific communism. "All our social sciences were ideologically inclined."

Although there is now lots of room for political science to develop, there is a lack of skills and textbooks. Information was for some time censored and very few people had mastered foreign languages in order to read French and English textbooks.

How can you discuss self-government in the Soviet North without understanding the concept of power? What do we mean by freedom and liberty? What does it mean to be alienated from the political culture? These questions are now being addressed, he explained.

Dr Suprun said he realized the importance of working out mutually agreed upon and understandable definitions when he attended a conference in the company of Soviet and Western social scientists. "We said we have all the human rights in the Soviet Union. You, in the West, don't understand what human rights are. We were talking about quite different things. We meant economic rights and the Westerners were talking about human rights."

**"NOW WE ARE IN A PERIOD OF UNCERTAINTY, AND A LOT DEPENDS ON THE POLITICIANS AND ESPECIALLY THE THINKERS"**

**VLADIMIR SUPRUN**

Academy of Science, Novosibirsk. "Max Weber was correct in saying that in some periods of history social and cultural values are more important than economics."

"Now we are in a period of uncertainty, and a lot depends on the politicians and especially the thinkers," said Suprun, a member of a Soviet research team studying

### SUPPORT STAFF REPRESENTATIVE ON GENERAL FACULTIES COUNCIL

Support staff hold three appointed seats on General Faculties Council. One of these seats is reserved for a support staff member who is not a member of the Non-Academic Staff Association but who is a full-time continuing employee. (This would include, for example, staff who are excluded from membership in NASA; trust employees, however, are not eligible.)

If you are interested in serving on GFC, or if you wish to submit a nomination, please send a brief résumé and cover letter by Monday, 19 August, to: Evelyn Phillips, Associate Director, University Secretariat, 2-5 University Hall.

The successful nominee will serve on GFC from September 1991 to 30 June 1994. For additional information, call Mrs Phillips at 492-4733.





Cutting the ribbon are (left to right): Les Beart, President of Lorac Construction; Stephen Titus, Faculty Club President; and Club Manager Peter Graf.

## Faculty Club officially opens Jasper Room

The newly renovated Jasper Room in the Faculty Club was officially opened 12 June.

About 110 people attended the reception, including club members, several of the University's Vice-Presidents and Associate Vice-Presidents and representatives of Lorac Construction Ltd, the company that did the renovations.

Formerly known as the downstairs dining room, the Jasper Room has been completely refurbished with new furniture. It now opens onto a solarium with seating for 48 persons. The patio has been expanded and features a natural gas barbeque, and there is also a new buffet and food preparation area to serve the Jasper Room and the Saskatchewan Room.

Food service has been streamlined and the downstairs' seating capacity has been increased by 85. Other improvements include upgraded air conditioning for the Saskatchewan Room, new carpeting in the Jasper Room and lower bar, and a new men's washroom.

The renovations complete improvements begun last year when the ladies' washroom and cloakroom and the men's cloakroom were renovated. The costs are being financed with Club revenues.

Faculty Club President Stephen Titus thanked members for their patience during the renovations, the staff of Lorac Construction for the quality and efficiency of the work, and the Club's executive committee members, in particular John Bachynsky, past president, and Tim Spanos, chair of the house committee, for their help in the planning of the renovations. He also paid special tribute to Club Manager Peter Graf and his staff for maintaining excellent services during the renovations.

## New faces behind three benches

Ten years after spearheading the Bears volleyball team to a CIAU Championship, Terry Danyluk returns to take on the head coaching duties. He succeeds Pierre Baudin who retired to work on his PhD.

Danyluk was a member of the 1977 Junior National Team that competed in the world championships and played on the Universiade '83 squad that turned in a silver medal performance. Olympic experience was gained a year later (Canada's men's volleyball entry placed fourth at Los Angeles).

Danyluk joined the professional volleyball ranks in Japan in 1984-85 and furthered his pro career in France from 1985 to 1987. For the last four years, he played as a semi-pro in Leysin, Switzerland, supplementing his volleyball salary by teaching physical education at the American University in Switzerland.

The Bears new coach is a member of the University of Alberta's Sports Wall of Fame.

In other news, Trix Baker, formerly Trix Kannekens, has been appointed head coach of the Pandas basketball team. She played in 92 Canada West Conference games for the Pandas, from 1976-77 to 1980-81, averaging 14.3 points and 9.5 rebounds per game.

Baker coached the University of Lethbridge women's team for the last four years, spent four summers coaching the Junior Provincial Women's Team and was an apprentice coach with the Canadian National Women's Team during the summer of 1990.

The Pandas volleyball team has a new head coach in the person of Laurie Eisler. She has been coaching at the University of Saskatchewan for the past three years, most recently as head coach. Eisler comes to campus as the 1990-91 CWUAA coach of the year.

## Grants speed innovations in teaching

Six research projects focusing on teaching and learning issues will receive grants from the University Research Teaching Fund.

The projects were selected from 17 applications requesting more than \$119,000.

The review committee that selected the recipients "was impressed with the quality of proposals and the innovations in teaching which these proposals represent," says Dianne Kieren, Associate Vice-President (Academic).

Three of the projects are from the Faculty of Education. Graham Fishburne's study, entitled "Examples of Effective Teaching at the University of Alberta," aims to produce videodisc recordings illustrating exemplary teaching at our University. These recordings can be used by teachers and "will provide a unique medium for use in developing and assisting in the improvement of teaching," Dr Fishburne says. The pressing of the videodiscs will account for most of the grant.

Brenda Gustafson and Patricia Rowell (Education) call their study "Elementary Pre-Service Teachers' Ideas About Teaching and Learning Science." Following up on evidence that pre-service teachers lack the confidence to teach science to children, they are exploring why this is so. Their study will focus on pre-service teachers' views on science teaching and whether or not these views change as a result of their experiences in the BEd program.

"Experiential Learning in the Professional Context" is a collaborative effort by Education's Jean Clandinin and Paul Hagler and Robert Jackson from the Faculty of Rehabilitation Medicine. Students in both Faculties have a practical learning component to their studies. This project will document the educational growth of students who learn in a professional workplace.

Ming Rao (Engineering) will use his grant to develop software for teaching chemical process control. The software, available to students for use at school or home, will be used to solve practical problems. Dr

Rao hopes to have the software available for undergraduate courses this fall.

Students building robots is the goal of Hong Zhang's study in Computing Science. Dr Zhang wants to generate interest in robotics at the undergraduate level by offering an interactive learning course to advanced students, beginning this September. Teaching methods to be tested include information sharing among past and present students and between students and mentors, to nurture creativity.

"Conceptual Thinking in Physical Activity Instruction" is the title of a study by Brian Nielsen (Physical Education and Recreation) to be conducted within an undergraduate course on the transfer of critical thinking skills. The first goal of the study is to develop a videotape that will enhance conceptual understanding among students in the course. The second objective is to determine how students feel about receiving instruction in critical thinking.

## SSHRCC postdoctoral fellowships announced

RECIPIENTS INCLUDE FIVE U OF A SCHOLARS

Five University of Alberta scholars are recipients of this year's SSHRC Postdoctoral Fellowships.

Susan Brown, Bradley Bucknell, Troni Grande, and Garry Sherbert, all from the Department of English, and Rod Beattie from the Department of Educational Psychology will each receive \$27,000 per annum for two years to pursue their research full-time.

They are among 160 recipients selected from 467 applicants across the country by the Social Sciences and Humanities Research Council of Canada.

Troni Grande's work focuses on the sub-genre of tragedy called "she-tragedy," which "had its roots in 16th and 17th century drama and flourished in the 18th century," she says. By studying the evolution of the female protagonist, Grande hopes to gain insights into the changing cultural representations of women from the 16th to 18th centuries.

Garry Sherbert's research is centred in the Victorian period. He's studying the tradition of Menippean satire, a genre of prose satire that went unrecognized until identified by Northrop Frye. He's interested in the relationship between Menippean satire and children's literature of the 19th century, such as Lewis Carroll's *Alice in Wonderland* and Charles Kingsley's *Water Babies*.

Susan Brown, who will hold her award at the University of Guelph, is also studying Victorian literature. She will look at the female figure of Sappho as constructed and appropriated by Victorian women poets. Brown says Sappho, the sole female Greek lyric poet, was a role model for female poets of the period. Through her they explored the ambiguities of their position within Victorian society and the literary tradition of the day.

**EACH WILL RECEIVE \$27,000 PER ANNUM FOR TWO YEARS TO PURSUE THEIR RESEARCH FULL-TIME.**

Bradley Bucknell's doctoral work focused on the place of music in the development of Modernism. His postdoctoral study picks up where his PhD thesis left off—with a look at the relation between Postmodern writers and music.

"I'm interested in the way certain writers thought about music and what it meant to their writing," he says. He'll study the works of James Joyce, John Cage, and Thomas Pynchon.

In the Department of Educational Psychology, Rod Beattie's fellowship money will allow him to

investigate the pragmatic language competencies of deaf children. These children are often unskilled in the basics of conversation etiquette taken for granted by those with normal hearing, he says. He hopes to provide strategies for deaf children and their teachers that will promote conversation skills.

### COMPETITION ADDRESSES IMPAIRED DRIVING

The Department of Sociology invites submission of proposals to carry out research studies in the area of any aspect of impaired driving. Interest on an endowment made by REID (Research and Education on Impaired Driving) and matched by the provincial government will be used to fund the successful research proposal in the amount of \$5,000. The award will be refereed by a panel of five (three from the University and two from the contributing organization). The competition is open to any University member conducting research relating to impaired driving.

Proposals should be forwarded to RA Silverman, Chair, Department of Sociology, University of Alberta, 5-21 Henry Marshall Tory Building. The competition closes Monday, 21 October 1991.



# Protective clothing often perceived as uncomfortable

There's all kinds of protective clothing on the market for people who work with toxic substances. Hoods, coveralls, gloves, and boots made of laboratory tested materials provide head-to-toe protection.

But it doesn't matter how chemical-proof a piece of clothing is if it never leaves the package it came in. Workers often can't be bothered to don gear that is uncomfortable, ill-fitting, or difficult to get into, even if this practice puts them at risk.

That's why Betty Crown (Clothing and Textiles) includes attitude and comfort tests in her research on protective clothing.

Dr Crown and research associate Helena Perkins are currently developing protective wear for fertilizer

agents who deliver pressurized anhydrous ammonia to farmers.

The study was initiated by a safety officer at Esso Resources Canada, who was concerned that workers loading and unloading anhydrous were either not wearing their protective coats or were not buttoning them up when they did wear them. Anhydrous ammonia is not user friendly. It not only burns the skin but causes a cryogenic effect, which means the skin becomes freeze-dried, Dr Crown says.

Dr Crown and Ms Perkins studied videotapes of Esso agents at work to determine the best garment design.

"We are having to use a material that is impermeable to anhydrous under pressure and we're also hav-

ing to come up with a design that they can put on and off very quickly," Dr Crown says.

The agents themselves recently evaluated five suitable fabrics and three possible garment designs.

"Now we're going to go ahead with prototype development and evaluate [the garment] in the fall and next spring," Dr Crown explains.

The most functional design, she says, is likely an over-the-head apron with long sleeves and possibly an open back. Approved fabrics include teflon and a neoprene-coated material.

Funding for the study comes from Esso Resources Canada and the Agricultural Research Council of Alberta.

## Judaic literature collection expanding

Rutherford Library's small collection of Judaic literature is expanding, thanks to the generosity of the Mesorah Heritage Foundation, private donors, the National Yiddish Book Center, and the Canadian Institute of Ukrainian Studies.

The first three volumes of the Talmud (ArtScroll Series) have been donated to the University by the Mesorah Heritage Foundation, an international organization that translates and publishes Judaic literature.

Alan Rutkowski, Slavic and East European Studies Librarian, applied for the books under the Foundation's Library Enrichment Program. He says the Foundation will donate the remaining 65 volumes of the Talmud as they are published over the next several years, funding permitting. Total value of the books is \$2,500 (US).

The University Library already has two editions of the Talmud. What makes this edition significant is its readability, Ehud Ben Zvi (Religious Studies) points out.

"This new edition allows students to read and learn on their own. This was impossible with the other books," Dr Ben Zvi says.

The ArtScroll Series Talmud is written in English and the Semitic languages of Hebrew and Aramaic. Each section of the Mishnah, the basic text of Judaic customs, laws, and ideas, is followed by four interpretations. The publisher's extensive notes will greatly aid students' understanding of traditional Jewish communities, Dr Ben Zvi says.

Subscriptions to 10 journals of Jewish studies have also been given to the Library. A local, private donor has guaranteed receipt of the journals for three years.

The University previously carried no Judaic periodicals on its shelves because of budget restrictions. Without a donation, the Library could not have afforded them, Rutkowski says.

Included in the collection are journals covering the four branches of Judaism and, from Germany, the

sole periodical that deals with the study of Biblical Hebrew.

Yiddish books will likely become part of the Library collection thanks to the National Yiddish Book Center of Amherst, Massachusetts.

The Yiddish Book Center is searching for donors to pay for titles that make up a basic Yiddish collection of 500 books, Rutkowski says.

A professor on campus is giving \$500 towards the purchase of the books. Also donating \$500 is the Canadian Institute of Ukrainian Studies. The Institute has an interest in Ukrainian-Jewish relations, as does Jean-Paul Himka in the Department of History, who taught himself to read Yiddish in order to study the historical culture of Jews in the Ukraine, Rutkowski says.

The Center has identified about 50 appropriate titles in this area so far. The cost for 500 books will be \$5,000.

## Alberta's pharmacy graduates tops in Canada

Graduates of the Faculty of Pharmacy and Pharmaceutical Sciences at the University of Alberta continue to excel in the National Pharmacy Examining Board of Canada examinations.

The Faculty was recently informed that the class of 1991 scored the highest average grades and achieved the highest Faculty pass rate in the latest set of examinations. This is the third consecutive year

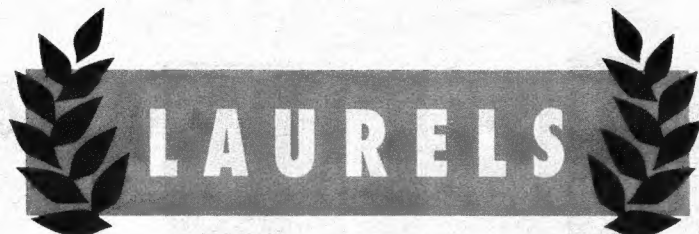
that U of A Pharmacy graduates attained the top standing in Canada.

The exams are written annually by the vast majority of pharmacy graduates from the seven English-speaking Schools of Pharmacy in Canada. Successful completion of the PEBC exams is a prerequisite for application to practice pharmacy in other provincial jurisdictions.

Each year the Canadian graduate with the highest individual grade in the exams is awarded the George A Burbidge Memorial Award. Georgia

Gunn won the award in 1990; in 1991, Leah Lorenson was a co-recipient of the award. Other U of A Pharmacy graduates to achieve the honor were Lee Widney in 1969 and Robert Kapty in 1971.

Dean RE Moskalyk says the Faculty is very proud of the achievements of its recent graduates and that it is striving to maintain the excellence of its new restructured undergraduate program.



**The Faculty of Education's Instructional Technology Centre** received two awards at the 1991 Association for Media and Technology in Education in Canada (AMTEC) Media Festival. The first was an Award of Excellence in the Interactive Laser Video category for the program, "Project Decide: Simulation of the Elementary School Principalship." The second award was an Award of Merit in the Video category for the program, "Serious About Success." This program was produced by the Faculty of Education for Jasper Place Composite High School.

**David Mappin**, Director of the Instructional Technology Centre, accepted the awards at a ceremony in the Great Hall of the People of the Museum of Civilization in Hull, Quebec, 15 June.

**Paul Gorham's** work on behalf of the Kurimoto Japanese Garden has brought him unique dividends—a Certificate of Recognition and a commemorative token from the Minister of Foreign Affairs of Japan. Dr Gorham, Professor Emeritus of Botany, undertook the Garden project in 1976 and was active in all of its phases up to and including its opening last year. Mr T Kato, the Consul-General of Japan in Edmonton, presented the award to Dr Gorham. He is the first Albertan to receive such an award.

Former Vice-President (Administration) **Allan Warrack** has been awarded the Alberta Fellowship for the Centre of Canadian Studies, University of Edinburgh, for fall 1991.

**Dan Eisenstein** (Civil Engineering) recently received an honorary degree from his alma mater, the Czech Technical University in Prague.

**Rudi Ladenius**, a graduate student in the Faculty of Pharmacy and Pharmaceutical Sciences, was recently awarded a University of Alberta 1991 Graduate Student Teaching Award.



Congratulating Ladenius (second from left) are: Len Wiebe (Associate Dean, Research), Dean RE Moskalyk, and DF Biggs (Supervisor, right).

## Orientation for new professors

The fifth annual orientation for newly appointed faculty at the University of Alberta is scheduled for the evening of Thursday, 22 August, and all day Friday, 23 August.

The facilitators are Alan Blizzard from McMaster University, Bente Roed of University Teaching Services (formerly the Office of the Committee for the Improvement of Teaching and Learning), and selected guest presenters from the U of A.

The orientation will welcome faculty to the University, highlight selected topical teaching issues, and provide opportunities for professors new to this campus to meet with each other.

Organized by University Teaching Services, the orientation is sponsored by the President's Office, the Centre for the Advancement of Professional Accounting Education, the Association of Academic Staff (AAS:UA) and University Teaching Services.

## Korean language program receives funding

At a recent ceremony in the Department of East Asian Languages and Literatures, Gardiner Wilson, Vice-President of the Asia Pacific Foundation, presented Saleem Qureshi, Acting Chair of EALL, with the first of a series of contributions that will enable the department to introduce Korean language instruction this fall.

The money from the Asia Pacific Foundation matches funds granted by the Korean Research Foundation, Sangmyung Women's University, and Alberta Advanced Education.

On hand for the presentation were representatives from Advanced Education, Federal and Intergovernmental Affairs, and Economic Development and Trade, as well as members of the University faculty.



## TALKS

## ENVIRONMENTALLY RELATED SEMINARS AND EVENTS

If you wish to have an environmentally related event listed under this section, please contact: The Environmental Research and Studies Centre, 492-6659.

*Meanook Biological Research Station*

6 August, 8 pm

Dave Schindler, title to be announced.

13 August, 8 pm

Ying Zhang, "Impact of Lime Addition on Phytoplankton Communities in Hardwater Lakes."

20 August, 8 pm

Brian Kotak, "Blue-green Algal Toxins in Prairie Lakes: Environmental and Human Health Concerns."

All lectures take place at Meanook Biological Research Station. Information and directions: 675-4934.

## ARTS

## EXHIBITIONS

## BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Until 9 August

"Most Delicate and Lovely Plants"—botanical illustration over the centuries, featuring contemporary drawings of Alberta plants by John Maywood. Hours: Monday to Friday, 8:30 am to 4:30 pm; Saturday and Sunday, closed. B-7 Rutherford South.

## MCMULLEN GALLERY

Until 15 August

"After Hours"—an exhibition of the personal art of the staff of Graphic Design, Medical Illustration and Photography at the University of Alberta Hospitals. Gallery hours: Monday to Friday, 10 am to 4 pm; Saturday and Sunday, 1 to 4 pm (subject to availability of volunteers). Information: 492-8428, 492-4211. Walter C Mackenzie Health Sciences Centre.

## CLOTHING AND TEXTILES

Until 1 November

"Textileworking"—an exhibition on the production of fabric, its decoration, and its construction into garments. Basement, Home Economics Building.

*The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.*

## ACADEMIC

## ASSISTANT DEAN (STUDENT SERVICES), FACULTY OF LAW

Reporting to the Dean, the Assistant Dean (Student Services) is accountable for the smooth operation of those administrative activities that most affect present, and potential students in the Faculty of Law, including admission procedures, counselling, registration, operation of the Admissions Committee, preparation and revision of the calendar and faculty handbook, administration of the moot court program, and provision of administrative support to the Dean and Faculty as assigned. The Assistant Dean may be assigned teaching duties.

The candidate must possess an LLB degree.

Salary range: \$35,175.00 - \$52,767.00

Application and curriculum vitae must be submitted by 23 August 1991 to: Acting Dean A. Anne McLellan, Faculty of Law, Room 485, Law Centre, University of Alberta, Edmonton, Alberta T6G 2H5.

In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

## DIRECTOR, DEVONIAN BOTANIC GARDEN

The internationally networked Devonian Botanic Garden is a research centre for conservation, maintenance, and development of living plant material. It has collections of indigenous and exotic plants in a scenic, 190-acre parkland setting, and a newly completed 5-acre Japanese garden. The Devonian Botanic Garden is a resource for the academic community and an extension facility for the general public. With one of Canada's foremost fungus collections, it is an interdisciplinary research unit under the Vice-President (Research). The operating budget is provided by the University, but it receives significant outside

funding from donations, research grants and contracts.

The Director is responsible for nine full-time and about twenty seasonal support staff and interacts with two academic staff. *Qualifications:* A demonstrated ability to liaise effectively with the academic and lay communities; strong interpersonal skills; a sound knowledge of horticultural practices and plant materials; a substantial administrative record within a botanic garden or similar horticultural research facility. Ability to secure external funding would be an asset. Candidates should have doctoral degrees or other backgrounds meeting the above requirements. Appointment will be as an Administrative Professional Officer unless the successful applicant holds a tenurable academic appointment in a University of Alberta department, in which case a secondment to the Garden will be required. Tenurable applicants should have a proven record of research, preferably including publications compatible with the teaching role of the Garden. Salary, commensurate with qualifications and experience, minimally \$44,272.

Submit curriculum vitae, together with names of three referees, to: Ms Barbara Bohdan, Executive Assistant to the Vice-President (Research), University of Alberta, 3-12B University Hall, Edmonton, Alberta T6G 2J9. Fax: (403) 492-1438. Deadline for applications: 15 October 1991. Preferred starting date: 1 January 1992.

## PART-TIME RESEARCH DIRECTOR, UNIVERSITY TEACHING SERVICES (FORMERLY OFFICE OF CITL)

Applications are being sought for a part-time Research Director for this unit. The successful applicant shall work in cooperation with the Education Director in order to develop and facilitate a range of activities which support the teaching function, including facilitating research about teaching within this University.

Release time shall be provided for two courses (one per term). Appointment shall be for a two-year term. Academic faculty members with a strong interest in, and experience conducting research about teaching in their own fields, are invited to apply prior to 15 August 1991. A letter of application, curriculum vitae and names of three referees shall be submitted to: Dr D Kieren, Associate Vice-President (Academic), Chair of the Selection Committee, 3-2 University Hall.

Further information may be obtained by calling 492-8181.

## SEARCH FOR DEAN OF FACULTY OF SCIENCE

An Advisory Selection Committee has begun its search for a Dean of the Faculty of Science. The appointment will take effect 1 July 1992, or as soon as possible thereafter. Suggestions of possible candidates and comments on the leadership needs of the Faculty are invited.

Nominations or applications for the position, accompanied in the latter case by a detailed résumé of qualifications and experience, and the names of three referees, should be submitted by 1 December 1991 to: The Office of the Vice-President (Academic), 3rd Floor University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

## SUPPORT STAFF

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 26 July 1991. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Positions available as of 26 July 1991.

*The limited number of vacancies is a result of the current Support Staff hiring freeze.*

Applications for regular operating budget funded University positions (both full-time and part-time) are initially restricted to current bargaining unit employees. This is due to the current hiring freeze. Applications may be accepted from external applicants for some positions after internal staffing has been explored.

*The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.*

CLERK TYPIST (Grade 4) (Recurring Term), Zoology (\$1,633 - \$2,013)

CLERK TYPIST (Grade 5), East Asian Languages and Literatures, (\$1,784 - \$2,210)

CLERK STENO (Grade 5) (Half-time), Faculty of Business, (\$892 - \$1,105) (prorated)

CLERK STENO (Grade 5), Food Science, (\$1,784 - \$2,210)

CLERK STENO (Grade 5), Secondary Education, (\$1,784 - \$2,210)

CLERK STENO (Grade 5), Mining, Metallurgical and Petroleum Engineering, (\$1,784 - \$2,210)

ACCOUNTS CLERK (Grade 5), Office of the Comptroller, (\$1,784 - \$2,210)

ACCOUNTS CLERK (Grade 6), Faculty of Home Economics, (\$1,952 - \$2,433)

OFFICE SERVICES SENIOR CLERK (Grade 6), Special Sessions, (\$1,952 - \$2,433)

RESEARCH AND PLANNING ANALYST (STATISTICAL ANALYST) (Grade 6), Office of Budget and Statistics, (\$1,952 - \$2,433)

TECHNICIAN (Grade 8), Music, (\$2,296 - \$2,895)

TECHNOLOGIST (Grade 8) (Split-funded), Zoology, (\$2,296 - \$2,895)

PROGRAMMER ANALYST (Grade 9) (Term to 31 December 1991), Computing Science, (\$2,484 - \$3,152)

PROGRAMMER ANALYST (Grade 10), (Trust/Term to 31 July 1992), Computing Science, (\$2,675 - \$3,413)

*The following positions retain salary rates in accordance with the previous classification system and pay plan.*

CLERK TYPIST III (Trust), Pediatrics, (\$1,505 - \$1,890)

TECHNICIAN I/II (Trust), Biochemistry, (\$1,738 - \$2,537)

TECHNICIAN I/TECHNOLOGIST I (Trust/Term to 31 March 1992), Physical Education and Sport Studies, (\$1,738 - \$2,765)

BIOCHEMISTRY TECHNOLOGIST I (Trust/Term to 31 March 1992), Biochemistry, (\$2,143 - \$2,765)

TECHNOLOGIST I (Trust), Physiology, (\$2,143 - \$2,765)

## ADS

## ACCOMMODATIONS AVAILABLE

**VICTORIA PROPERTIES** - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Ports West, Victoria, BC.

**RENT** - Duggan, immaculate, inviting bungalow. Four bedrooms, music room, double garage, fully furnished. Perfect family home, close to schools, shopping, University. August 1991 - August 1992, \$1,200/month. Western Relocation, 434-4629.

**SALE or RENT** - \$1,450/month, Windsor Park, three bedroom bungalow, 75' x 165' lot, garage, basement suite, 481-6900.

**SALE** - Garneau/University! 2,200' with fireplace and jacuzzi. Double garage. One year old! Carl "Mr Bunny" Benito, Re/Max Realty, 439-7000, 450-2692 (residence).

**RENT** - Furnished home in S.W. Edmonton, October 1991 - January 1992. \$800 plus utilities. Car also available. Malcolm King, 492-6703.

**SALE** - Near Southgate. Beautiful new bungalow, fully landscaped, double attached garage, huge kitchen, jacuzzi ensuite, main floor laundry. Asking \$192,000, GST included. Joy Murray, Canada Trust Realty, 468-2100.

**RENT** - Furnished house, 13904 88 Avenue. October - April, \$900/month. Adults, nonsmoking, 483-6985.

**SALE** - University area, \$129,500, delightful three bedroom. 1 1/2 storey, double garage, great location, immediate possession. Ed Lastiwka, Royal LePage Realty, 437-7480, 446-3800.

**SALE** - Parkallen, \$98,500, three bedroom semi, hardwood floors, fireplace, great location, vacant, immediate possession. Ed Lastiwka, Royal LePage Realty, 437-7480, 446-3800.

**RENT** - Two bedroom house plus study. Walk to University, available immediately. Nonsmokers, no pets, damage deposit, references. \$750/month plus utilities, 929-2275.

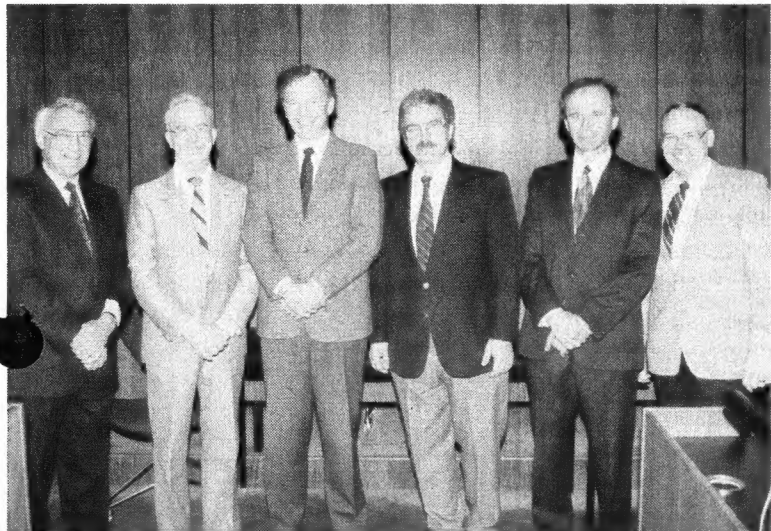
**SUBLET** - Exclusive fully furnished apartment for a year, for the discriminating person. Mixture of modern - antiques, crystal, silver, etc. Close to University. Terms negotiable, serious only apply. 439-9820.

**SALE** - University, revenue home, furnished, \$13,300 revenue, two plus two bedroom, two baths, five appliances, large lot, garage. \$96,500, will mortgage. 11210 72 Avenue, 436-8916.

**SALE** - University Avenue home, 1,400 square feet, three bedroom suite, double garage. Upgraded: kitchen, bath, wiring, plumbing. View of Corbett Hall, 437-5413.

**RENT** - Millcreek, luxury, furnished condo. One bedroom, den, exercise room, parking. Near Faculté Saint-Jean, Available 19 August, 7-8 month lease. Ideal for professional, visiting scholar, nonsmoker. 462-1635.

Continued on page 8



## ENGINEERING TEACHING AWARDS

Fred Otto, Dean of Engineering, poses with faculty members who received the Faculty of Engineering Teaching Awards in recognition of excellence in undergraduate teaching for the past year. With Dean Otto (extreme left) are: JM Whiting (Mining, Metallurgical and Petroleum Engineering), JJ Leonard (Agricultural Engineering), DO Koval (Electrical Engineering), DR Budney (Mechanical Engineering), and RK Wood (Chemical Engineering). DJL Kennedy (Civil Engineering), who was absent on this occasion, will receive his award at the October meeting of the Engineering Faculty Council.



**RENT** - Fully furnished one bedroom apartment in evergreen Parkallen. Near bus route. Bike shed, car plug-in. Seeking quiet, clean, non-smoking tenant. \$550/month beginning 1 September, 437-0759.

**SHARED ACCOMMODATION** - three bedroom condo, good connections to University. Available immediately, clean, quiet, responsible people. \$150/month plus share utilities, 475-4762.

**SALE** - Windsor Park, mostly renovated, partially finished basement bungalow 1,258'. \$163,000 by owner, 439-2777.

**VISITING TORONTO?** Bed and breakfast in our restored downtown home. From \$45 daily. Furnished apartment available on weekly basis (1-4 people). Ashleigh Heritage Home, (416) 535-4000.

**RENT** - Executive three bedroom bungalow. 1,600 square feet, five appliances, in Castledowns, \$850/month, available now. Call (204) 261-3726 or 489-2964 collect.

**SALE** - Garneau, bright and spacious four bedroom home. Fireplace, two baths, oak floors, stained glass, beautifully renovated basement, patio doors to deck, upgrades throughout. \$195,000, by owner, 433-1681.

**RENT** - Three bedroom character house, Garneau, two blocks from campus. 1 September, references required, \$850/month, 433-4510.

**RENT** - Southwest Edmonton, immaculate four bedroom, 3,000' executive home. Furnished, air conditioned, seven appliances. Call Steve, 455-6900, Ted Power Realty.

**RENT** - Garneau, basement bachelor's suite. \$400/month, one year lease. Available 1 August, partially furnished. Call Karen 492-0832 (day), 431-1236 (evening).

**RENT** - Strathcona, two bedrooms, garage, unfurnished \$800, 492-8447.

**SALE** - Aspen Gardens, 1,900' fully developed single family home. Two baths, five bedrooms, double garage, cedar deck, treed lot. Direct bus to University, near schools and shopping. \$145,500, 436-2803.

**SALE** - University location, just \$94,900. Two bedroom, 1,062' condo, good complex. Includes stove, fridge, dishwasher, washer, dryer, central air, underground parking, numerous other features. Tony/Alice Jurman, Royal LePage, 483-9170.

#### ACCOMMODATIONS WANTED

**WILL HOUSE-SIT**, September 1991 - April/June 1992. Attending University. Sandra, 1-624-3120 after 4:30 or 9713 84 Avenue, Peace River, Alberta, T8S 1A4. References available.

**FAMILY OF THREE** needs furnished home, late August 1991, through June 1992 for study leave. Contact Leslie or Alan Gottesfeld, 1-604-849-5649.

**VISITING PROFESSOR** with wife and two children (plus two cats) wishes to rent unfurnished three bedroom house/apartment 1 September 1991 - 31 August 1992. Contact Fred Clark, 1-613-592-7756.

#### GOODS FOR SALE

**CASH PAID FOR APPLIANCES**, 432-0272.

**BEAVER FLATS POTTERY**, functional stoneware pottery, handmade in the University area. Open 9-5 Monday to Saturday 7609 115 Street (rear) 437-5254.

**1990 DODGE** - Customized coach van. Blue, 80 km, brand new, fully loaded, factory warranty starts day of possession. \$28,000 new—sale price \$23,000, no GST! Phone Randy, 487-8034.

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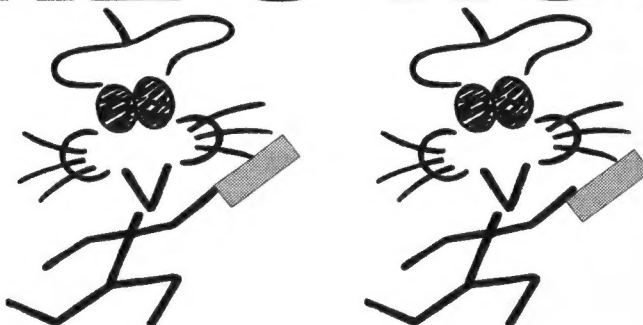
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